

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical   X   Analytical \_\_\_\_\_

Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_ Other \_\_\_\_\_

**Level of Responsibility:** GS - 11-13 or Pay Band ZP/ZA - III/IV

**Duration:** 6 months

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Facilities Program Support

**Assignment Objective:**

The objective of the assignment is to help in the formalization of a number of facilities programs within NESDIS, including safety, security, real property management, cost accounting, database development, and environmental issues.

**Description of Tasks:**

Some of the tasks are as follows:

Safety: Bring together the current pieces of the NESDIS 'Safety First' safety program into a more easily used manual for use down to the supervisor level and expand the information as needed.

Security: Assist in the survey of NESDIS facilities to develop a consolidated database of NESDIS security information. Work with NOAA security staff to develop a manual/compilation of information for use by NESDIS personnel with regards to security.

Real Property: Coordinate with NESDIS facilities and managers and NFA on facilities information, and develop this information within NESDIS for use as a base in tracking facilities information. This information is to include planning information for NESDIS facility need.

**Special Requirements and Selection Criteria:**

Wide range of basic facility knowledge, willingness to learn in areas of little or no experience, and ability to learn and use basic database programs. Selection may be limited to the local

commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS), Office of the Chief Financial Officer, Management Operations and Analysis Office (Silver Spring, MD)

**Point of Contact:** Ralph Conlin, (301) 713-9210 (Ralph.Conlin@noaa.gov)

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial\_\_\_\_\_ Technical   X   Analytical\_\_\_\_\_

Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_ Other\_\_\_\_\_

**Level of Responsibility:** GS-14, Pay Band ZP-IV

**Duration:** 3 months \_\_\_\_\_ 6 months   X   Other\_\_\_\_\_

**Timeframe:** 1st quarter\_\_ 2nd quarter \_\_\_\_\_ 3rd quarter   X   4th quarter\_\_

**Title of Assignment:** Business Enterprise Architect

**Assignment Objective:**

Develop a 'Business Enterprise Architecture' for NESDIS incorporating the organizations 'Business Strategy', its 'Business Operations', its 'Observing Systems', and its 'Information Technology' Infrastructure.

**Description of Tasks:**

Using an architecture modeling tool called Metis, capture data in the above mentioned areas and build the NESDIS Enterprise Architecture. Specific tasks would include learning the Metis software tool, interviewing personnel across NOAA to capture data on strategic direction, business operations, observing systems, software applications, IT infrastructure and transition projects. Work with the CIO in putting together documents and presentations that capture the architecture.

**Special Requirements and Selection Criteria:**

Familiarity with enterprise IT architecture work

Familiarity with IT project planning

Project management skills

Computer science background

Selection may be limited to the local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS), Office of the Chief Information Officer (Silver Spring, MD)

**Point of Contact:** Rob Mairs, NESDIS CIO, (301) 713-9200 X150

**NESDIS-10-NCDC**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical   X   Analytical \_\_\_\_\_  
Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_

**Level of Responsibility:** ZT-IV/GS-11/12

**Duration:** 3 months \_\_\_\_\_ 6 months   X   Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Establishing Procedures and Protocols for Imaging pre-19th  
Century Climate Data Not Currently Held in NOAA's Archives

**Assignment Objective:** Produce a report that presents suggested procedures and protocols for imaging pre-19th century climate data as currently held by NARA, state archives, public libraries, and private collections.

**Description of Tasks:** The Climate Database Modernization Program is in need of digitized pre-19th century climate data that were recorded on a variety of journals, diaries, and other pre-weather service observing records. The task is to develop methods of obtaining these data as digital images so that they may be keyed for inclusion in the nation's climate databases. Contacts will have to be made with the national archives and representative state and local archives, state and regional climatologists, and academia to document the legalities and challenges facing this task.

**Special Requirements and Selection Criteria:** Knowledge of and experience with data management practices, experience in dealing with a variety of federal and non-federal archivists, librarians, and climatologists. Knowledge of project management and excellent communication skills. Selection may be limited to local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/ National Climatic Data Center (NCDC) (Asheville, NC)

**Point of Contact:** Thomas R. Karl, (828) 271-4675

**NESDIS-11-NCDC**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical   X   Analytical \_\_\_\_\_  
Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_

**Level of Responsibility:** ZT-IV/GS-11/12

**Duration:** 3 months   X   6 months \_\_\_\_\_ Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Utilization of NOAA's Satellite and Radar Data Sets.

**Assignment Objective:** Explore opportunities for improved and/or additional uses of satellite and radar data in the NCDC archives for climate and environmental monitoring.

**Description of Tasks:**

- Designing and implementing methods for the long-term calibration, inter-calibration, and validation of NOAA's satellite and radar data;
- Developing methods for enhanced metadata and a complete audit trail of climate products;
- Planning and implementing scientific data stewardship strategies for long-term archival and climate applications of these data sets in collaboration with all of NOAA, NASA, and other international space agencies;
- Developing enhanced climate data sets by optimally blending multiple remotes sensing and in situ data sets; and
- Providing scientific leadership in the above areas by closely working with users groups in application of these data sets to emerging science questions and applications for decision makers.

**Special Requirements and Selection Criteria:** Experience with NOAA's satellite and/or radar data sets. Knowledge of needs of climate and/or environmental users groups for remote sensing. Selection may be limited to local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/ National Climatic Data Center (NCDC) (Asheville, NC)

**Point of Contact:** Thomas R. Karl, (828) 271-4476

**NESDIS-12-NCDC**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical   X   Analytical   X    
Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_

**Level of Responsibility:** ZP-IV/13-14

**Duration:** 3 months \_\_\_\_\_ 6 months   X   Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Development and Analysis of High-quality Reference Climate Data Sets.

**Assignment:** Objective: Work with NCDC scientists to develop methods for adjusting data for time dependent biases. Implement these methods in development of high-quality reference climate data sets, and analyze these data sets, particularly focusing on the daily time scale.

**Description of Tasks:** This would involve the use of statistical and physical methods to analyze time-dependent biases in in situ climate times series (e.g. temperature and precipitation) and develop a strategy for adjusting daily data for these biases. Once these data sets have been developed for the U.S. and/or the globe, analysis of these data sets will be performed to examine long-term variability and trends in climate extremes.

**Special Requirements and Selection Criteria:** Familiarity with climate data, particularly issues related to time-dependent biases, and experience with advanced statistical techniques as applied to climate analysis. Selection may be limited to local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data and Information Service (NESDIS)/ National Climatic Data Center (NCDC) (Asheville, NC)

**Point of Contact:** Thomas R. Karl (828) 271-4476/David Easterling, (828) 271-4675

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical   X   Analytical   X    
Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_

**Level of Responsibility:** ZP-IV/GS-13/14

**Duration:** 3 months   X   6 months \_\_\_\_\_ Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Climate Monitoring Activities

**Assignment Objective:** Work with NCDC scientists to produce the annual climate summary published each year in the Bulletin of the American Meteorological Society.

**Description of Tasks:** This would involve the use of statistical and graphical software tools to calculate and display the relevant statistics to describe the state of the climate for the year. It also involves developing accompanying narrative text.

**Special Requirements and Selection Criteria:** Familiarity with climate data, computer programming in a UNIX environment, use of graphical software and good writing skills. Selection may be limited to local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/ National Climatic Data Center (NCDC) (Asheville, NC)

**Point of Contact:** Thomas R. Karl, (828) 271-4476/David Easterling, (828) 271-4675

**NESDIS-14-NCDC**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical   X   Analytical   X    
Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_

**Level of Responsibility:** ZP-IV/GS-13/14

**Duration:** 3 months \_\_\_\_\_ 6 months   X   Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Development of Blended Paleo-Instrumental Data Sets

**Assignment Objective:** Work with NCDC scientists to develop methods for blending paleoclimate/proxy measures of climate with the instrumental record.

**Description of Tasks:** This would involve the use of statistical and physical methods to develop robust blended paleoclimate and instrumental climate records, such as developing a multi-century data set of Palmer Drought Index values utilizing both tree-ring and instrumental data. Secondly, once these data are developed use statistical methods to analyze long-term variability and trends in multi-century climate.

**Special Requirements and Selection Criteria:** Familiarity with climate data, both paleo and instrumental data, and experience with advanced statistical techniques as applied to climate analysis. Selection may be limited to local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/ National Climatic Data Center (NCDC) (Asheville, NC)

**Point of Contact:** Thomas R. Karl, (828) 271-4476/David Easterling, (828) 271-4675



**NESDIS-15-NCDC**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial\_\_\_\_\_ Technical   X   Analytical\_\_\_\_\_

Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_

**Level of Responsibility:** ZT-IV/GS11/12

**Duration:** 3 months   X   6 months \_\_\_\_\_ Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter\_\_ 2<sup>nd</sup> quarter\_\_ 3<sup>rd</sup> quarter\_\_ 4<sup>th</sup> quarter   X  

**Title of Assignment:** Server Consolidation Study

**Assignment Objective:** Reduce the number of servers used by NCDC.

**Description of Tasks:** NCDC would like to reduce the number of servers it uses to perform IT related tasks. Servers would first be surveyed to determine types of servers, their use, and special processing requirements. Once this information is collected it would be analyzed and a cost benefit analysis performed to determine if server consolidation should be pursued. If NCDC decides to pursue the consolidation effort, a project plan would be developed.

**Special Requirements and Selection Criteria:** IT background with and in-depth knowledge of UNIX (IBM and Sun) and LINUX servers. Selection may be limited to local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/ National Climatic Data Center (NCDC) (Asheville, NC)

**Point of Contact:** Thomas R. Karl, (828) 271-4476

**NESDIS-16-NGDC**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial\_\_\_\_\_ Technical  X  Analytical\_\_\_\_\_

Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_ Other\_\_\_\_\_

**Level of Responsibility:** GS 11/12/ Pay Band ZP-III

**Duration:** 3 months \_\_\_\_\_ 6 months  X  Other\_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter  X  4<sup>th</sup> quarter\_\_

**Title of Assignment:** Prototype Side-Scan Sonar Access System

**Assignment Objective:**

Develop and prototype an Automated Useful Access System for National Ocean Service (NOS) shallow-water, digital side-scan sonar data being collected by NOS and archived at the National Geophysical Data Center (NGDC), Boulder, CO.

**Description of Tasks:**

1. Become acquainted with the characteristics, uses, and nature of the side-scan data.
2. Design and outline a useful access system, including browse imagery, indexing, geolocation, and a user-friendly interface.
3. Investigate existing browse and retrieval systems throughout NOAA for both suitability and adaptability to the current task.
4. Build a prototype system; test it with existing data holdings; and demonstrate a responsive, flexible, and useful access system by which users of side-scan sonar can obtain data with a minimum of NGDC support. This may involve adaptation and modification of existing systems, co-development with other groups, selection of COTS solutions, or custom code.

**Special Requirements and Selection Criteria:**

1. Familiarity with data management systems, world-wide-web interfaces, large-volume data sets, and image processing software.
2. Programming and program-design skills.
3. Selection may be limited to the local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/ National Geophysical Data Center (NGDC) (Boulder, CO)

**Point of Contact:** George F. Sharman, NGDC

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical XX Analytical XX  
Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_ Other \_\_\_\_\_

**Level of Responsibility:** Pay Band ZP-IV/GS-13/14

**Duration:** 3 months \_\_\_\_\_ 6 months X Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter XX 4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Space Weather Events Affecting Technology

**Assignment Objective:**

To construct a database of space weather events from civilian and military sources listing the technology affected and the state of the space environment. This database will be used to establish a set of requirements for a space climatology.

“Space weather refers to conditions on the sun and in the solar wind, magnetosphere, ionosphere and thermosphere that can influence the performance and reliability of space-borne and ground-based technological systems and can endanger human life or health. Adverse conditions in the space environment can cause disruption of satellite operations, communications, navigation and electric power distribution grids leading to a variety of socioeconomic losses.” (National Space Weather Program)

**Description of Tasks:**

The first task will be to update NGDC’s database of Satellite Anomalies, some of which result from space weather events and others from engineering problems. The initial database, built in the early 1980’s, needs to be updated with input from the operators of satellite systems like NESDIS, NASA, the telecommunications industry and the military. Also, the basic terminology used to classify spacecraft anomaly events has evolved considerably since the original database was designed and existing entries must be systematically updated to reflect those changes.

The second task will be to use the data in NGDC’s Space Physics Interactive Data Resource to describe the state of the space environment during the anomaly.

The third task will expand the scope of the database to include other technological system affected by space weather events like electrical power grids.

**Special Requirements and Selection Criteria:**

1. The person will be asked to work with staff at the National Geophysical Data Center, Space Environment Center, Air Force Directorate of Weather, Air Force Space Command, Office of the Federal Coordinator for Meteorological Services, DOD Space Architect, Aerospace Corporation, Insurance Companies and Satellite Operators.
2. A “TS” security clearance would be useful.
3. Selection may be limited to the local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/National Geophysical Data Center (Boulder, CO)

**Point of Contact:** Herb Kroehl (303-497-6323) and Dan Wilkinson (303-497-6137)

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial\_\_\_\_ Technical   X   Analytical\_\_\_\_

Administrative \_\_\_\_ Clerical/Support \_\_\_\_ Other\_\_\_\_

**Level of Responsibility:** GS12-14/Pay Bands ZP 3 and 4

**Duration:** 3 months   X   6 months\_\_\_\_ Other\_\_\_\_

**Timeframe:**

1st quarter\_\_ 2nd quarter\_\_ 3rd quarter\_\_ 4th quarter   X  

**Title of Assignment:** Geospatial Data Management and Integration

**Assignment Objective:** To integrate multi-line office datasets using geospatial database tools and techniques.

**Description of Tasks:** The team will develop and demonstrate a Global Environmental Observation and Data Management System architecture using standards-based commercial tools. The architecture will integrate metadata that is compliant with federal and international standards, data from all NOAA Line Offices, and will integrate with other local, regional, national and international geospatial data portals.

**Special Requirements and Selection Criteria:** This task will involve a team including representatives from all NOAA Line Offices. We will be demonstrating a distributed architecture that relies heavily on geospatial databases and other modern geographic information system tools. People must have demonstrated capabilities in using SQL databases, internet mapping tools (i.e. ArcIMS, Open GIS Consortium Map / Coverage Servers), and other web development tools (i.e. Java, Java Server Pages, XML). They must also have a track record of learning and applying new technologies to NOAA datasets. Selection may be limited to the local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/CIO /National Geophysical Data Center(NGDC) (Boulder, CO)

**Point of Contact:** Ted Habermann@noaa.gov

**NESDIS-19-NGDC**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical  X  Analytical \_\_\_\_\_  
Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_

**Level of Responsibility:** GS- 11/14 or Pay Bands ZP-III/IV

**Duration:** 3 Months  X  6 Months \_\_\_\_\_ Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> Quarter \_\_\_\_\_ 2<sup>nd</sup> Quarter \_\_\_\_\_ 3<sup>rd</sup> Quarter \_\_\_\_\_ 4<sup>th</sup> Quarter  X

**Assignment Title:** Near Real Time Access to Satellite Observations of Nighttime Squid Fishing Activity

**Assignment Objective:**

To participate in the development and testing of an online service providing near real time access to satellite observations of heavily lit squid fishing boats in one or more regions of the world.

**Description of Tasks:**

The U.S. Air Force Defense Meteorological Satellite Program (DMSP) Operational Linescan System (OLS) has a unique capability to detect lights present at the earth's surface. The OLS has a demonstrated capability to detect nocturnal squid fishing activity, where squid are aggregated using banks of lights. NGDC has built a capability to ingest, geolocate and post nighttime OLS data of specified regions using the Satellite Archive Browse and Retrieval (SABR) system <http://sabr.ngdc.noaa.gov>. This is currently being done for a set of gas flares in Nigeria and fires in Africa. In this project the rotational staff member will work with NGDC staff to set up a similar system for one or more squid fishing areas of interest to NOAA. The rotational staff member will introduce fisheries scientist to the near real time system to gather their feedback regarding ease of use and to identify additional features that would make the data of greater value. The rotational staff member would prepare a report defining the additional features or functionalities which would enhance the value of the online service.

**Special Requirements and Selection Criteria:**

Technical capability in the application of geospatial data to address fishery issues. Selection may be limited to the local commuting area dependent on the availability of funding.

**NOAA Line or Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/National Geophysical Data Center (NGDC) (Boulder, CO)

**Point of Contact:**

Dr. Christopher D. Elvidge, (303) 497-6121 Email: [chris.elvidge@noaa.gov](mailto:chris.elvidge@noaa.gov)  
NOAA-NESDIS National Geophysical Data Center  
325 Broadway, Boulder, CO 80303



**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial\_\_\_\_\_ Technical   X   Analytical \_\_\_\_\_

Administrative\_\_\_\_\_ Clerical/Support\_\_\_\_\_ Other\_\_\_\_\_

**Level of Responsibility:** GS 9-11/Pay Band Levels ZP-II/III

**Duration:** 3 Months   X   6 Months\_\_\_\_\_ Other\_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter\_\_\_\_\_ 2<sup>nd</sup> quarter\_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter\_\_\_\_\_

**Title of Assignment:** Coastal Gateway Development & Integration

**Assignment Objective:** Construct data gateways and link them to interactive web search tools and associated metadata records. Expand the number of coastal gateways, thereby increasing the inventory of operational data sources resulting in the building a national network of coastal information providers.

**Description of Tasks:** The task is to build and install gateways that link the data provider to the NCDDC IT architecture. Part of the task will include connecting the gateway to the NCDDC metadata software tools enabling efficient web based data searches. Contacts will include federal, state, local, and university coastal programs, nationwide. Once the gateways are in place, the national coastal data access and integration will be greatly increased and enhanced.

**Special Requirements and Selection Criteria:** Working knowledge of software implementation, C++, Java and CORBA. Selection may be limited to local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/National Oceanographic Data Center (NODC)/National Coastal Data Development Center (Stennis Space Center, MS)

**Point of Contact:** Joe Stinus, (228) 688-3450

**NESDIS-21-NODC**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:** Flexible

Managerial \_\_\_\_\_ Technical   X   Analytical   X  

Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_ Other \_\_\_\_\_

**Level of Responsibility:** GS 9-13/ZA or Pay Bands ZP II-IV

**Duration:** 3 months   X   6 months \_\_\_\_\_ Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Dissemination of Scientific Information

**Assignment Objective:** To learn techniques for providing information services through the NOAA Library infrastructure, and make recommendations for improving services to and/or utilization by the home program office.

**Description of Tasks:**

In order to improve library services for the home program of the rotational assignment employee, employee would work with Library staff to better understand the Library services and the needs of the home program office. Evaluate present Library websites to ensure the validity of program office information. Assist with selection of materials for Photo Library and create metadata for materials to be used by home program office. At end of assignment, provide written recommendations relative to Library services and home program office needs.

**Special Requirements and Selection Criteria:**

- Washington DC commuting area
- Technical expertise in home office mission area
- Experience in building webpages highly desirable
- Selection may be limited to the local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS), National Oceanographic Data Center (NODC) (Silver Spring, MD)

**Point of Contact:** Janice Beattie, NOAA Central Library, (301) 713-2607 X139

**NESDIS-22-OSO**

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical **X** Analytical \_\_\_\_\_

Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_ Other \_\_\_\_\_

**Level of Responsibility:** Pay Band ZP III/IV or GS-11 - 14

**Duration:** Flexible 3 months \_\_\_\_\_ 6 months **X** Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter **X** 4<sup>th</sup> quarter \_\_\_\_\_

**Title of Assignment:** Satellite Engineering Tool Development and Technical External Interface Liaison

**Assignment Objective:**

This position will be used to help define, develop and implement engineering tools for spacecraft performance monitoring and tracking. This position will assist engineers with the required interfaces with external users of POES and GOES environmental satellite data. Participant will gain valuable experience in satellite operations.

**Description of Tasks:**

1. Perform requirements analysis for GOES and POES instrument performance data for NESDIS database development.
2. Support development and testing of needed engineering tools to support performance monitoring.

**Special Requirements and Selection Criteria:**

Participant should have a technical background and possess good communications skills. Selection may be limited to local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/Office of Satellite Operations (OSO)/SOCC (Suitland, MD)

**Point of Contact:** Cindy Hampton, (301) 817-4120  
Click Here for More Information <http://oso.noaa.gov/>

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY**

**Occupational Category:**

Managerial \_\_\_\_\_ Technical   X   Analytical \_\_\_\_\_  
Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_ Other \_\_\_\_\_

**Level of Responsibility:** GS- 11/12/Pay Band ZP-III

**Duration :** Flexible 3 months \_\_\_\_\_ 6 months   X   Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter \_\_\_\_\_ 2<sup>nd</sup> quarter \_\_\_\_\_ 3<sup>rd</sup> quarter   X   4<sup>th</sup> quarter   X  

**Title of Assignment:** Coordinate and Document Modifications to NOAA's Weather Satellite Tracking Station.

**Assignment Objective:**

Coordination, and documentation, of modifications to NOAA's weather satellite tracking station in Wallops Virginia. Participant will gain valuable experience in the operation of a satellite ground station.

**Description of Tasks:**

Participant will provide support to engineering teams integrating new ground systems for NOAA's next generation of Geostationary weather satellites (GOES NO/P) and/or assist in preparations to modify the Wallops CDA Station Polar ground systems for cross compatibility with NASA and U.S. Air Force tracking station networks.

**Special Requirements and Selection Criteria:**

Participant should have a technical background and should be capable of following test procedures and reporting on their results. This assignment requires knowledge of complex electronic equipment and good communication skills. Selection may be subject to availability of FY 2003 funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS)/Office of Satellite Operations (OSO), SATOPS (Wallops, Virginia)

**Point of Contact:** James Budd, (757) 824-7311

**Click Here for More Information** <http://wcda.noaa.gov/>

## NESDIS-24-CIO

### NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION ROTATIONAL ASSIGNMENT PROGRAM OPPORTUNITY

**Occupational Category:**

Managerial\_\_\_\_\_ Technical\_\_\_\_\_ Analytical\_\_\_\_\_

Administrative \_\_\_\_\_ Clerical/Support \_\_\_\_\_ Other x and technical\_\_

**Level of Responsibility:** GS/GM 13/14, Pay Band ZP-IV

**Duration:** 3 months \_\_\_\_\_ 6 months x \_\_\_\_\_ Other \_\_\_\_\_

**Timeframe:** 1<sup>st</sup> quarter\_\_ 2<sup>nd</sup> quarter\_\_ 3<sup>rd</sup> quarter X 4<sup>th</sup> quarter\_\_

**Title of Assignment:** NESDIS E-Learning Project

**Assignment Objective:**

The purpose of the assignment is to study current use of the e-learning program within NESDIS. Based upon the study and analysis, the rotational assignment employee will produce statistical reports of current usage and will develop recommendations to increase usage over time.

**Description of Tasks:**

Work directly with the NOAA CIO, NOAA HR management, Transportation Virtual Learning Center, and geo-learning technical and management personnel to gain familiarity with the e-learning project. Monitor the progress and marketing of the usage of e-learning within NESDIS - its cost, benefits, and use as a management tool to enhance employee career development. Produce statistical reports/analysis on e-learning usage and cost of use for contractors and government personnel. Develop and recommend marketing concepts. Work with geo-learning to enhance the e-learning product by providing suggestions on its use and deliverables. Document examples of usage by interviewing current users and providing employee feedback that demonstrates how e-learning is helping employees obtain cost-effective training and how e-learning can be used as just-in-time training to develop a more knowledgeable and effective workforce.

**Special Requirements and Selection Criteria:**

Software testing experience, experience in interfacing with Line Office personnel and NOAA management, and ability to independently develop training materials is required. Assignment will require ability to coordinate and participate in e-learning meetings with NOAA management, Line Office Coordinators, TVU and geo-Learning personnel. Experience in

developing statistical reports is also required. Selection may be limited to the local commuting area dependent on the availability of funding.

**NOAA Line/Staff Office:** National Environmental Satellite, Data, and Information Service (NESDIS), Office of the Chief Information Officer (Silver Spring, MD)

**Point of Contact:** Hilda Gohrband, (301) 713-9220 x152